

## **ABSTRACT**

An apparatus for controlling a Hybrid Automatic Repeat Request  
5 (HARQ) is provided. In the apparatus, a physical layer includes a decoder for  
decoding a control message received over the packet data control channel, a  
demodulator for demodulating packet data received over the packet data channel,  
and a turbo decoder for decoding the demodulated packet data. A physical layer's  
HARQ controller determines whether to demodulate and decode the received  
10 packet data depending on a decoding result of the control message, outputs the  
decoded control message to the demodulator and the turbo decoder for  
demodulation and decoding of the received packet data, controls output of a  
response signal according to decoding result of the packet data, and delivers the  
turbo-decoded packet data to an upper layer.